

Dear Sir or Madam,

I am currently a Computer Science PhD student at the University of Maryland, College Park. I just finished my class requirements with a GPA of 3.9 and I will be getting my Masters Degree on December, 2006.

I have worked recently on Perceptual Robotics and the SLAM problem for robots and also in “Motion Planning for Planar RR-Arm Manipulator Equipped with Proximity Sensors” with Dr. Vladimir Lumelsky, who is presently working in NASA (at the Goddard Space Flight Center, located in Maryland) and to whom I can ask to write a recommendation letter for me if necessary.

I also have extended experience working in teams developing software applications using Oracle Databases and Java (in which I have received additional training through seminars and courses). I have also been involved in the whole life cycle of software from analysis and design, to development and implementation, to testing and deployment. Furthermore, I have good communications skills and I am able to interact with people and show presentations effectively.

My main areas of interest are: Robotics (motion, localization, mapping, planning), Evolutionary Computation & Artificial Life (Genetic Algorithms, Particle Swarm Optimization, Ant Optimization Algorithms), Neural Networks Models and Sensor Networks.

I consider working at the Jet Propulsion Laboratory rewarding, exciting and fulfilling.

If you have any questions please do not hesitate to contact me.

My best regards,

José Troche
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